



SEQUENCE LISTING

<110> Bond, Christopher J.

<120> SYNTHETIC ANTIBODY PHAGE LIBRARIES

<130> 11669.136USU1

<140> 10/759,731

<141> 2004-01-16

<150> US 60/441,059

<151> 2003-01-16

<150> US 60/488,610

<151> 2003-07-18

<150> US 60/510,314

<151> 2003-10-08

<160> 194

<170> PatentIn version 3.3

<210> 1

<211> 109

<212> PRT

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Val Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Ser Ala Ser Phe Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Arg Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
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Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln His Tyr Thr Thr Pro Pro
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Ala Arg Ile Tyr Pro Thr Asn Gly Tyr Thr Arg Tyr Ala Asp Ser Val
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Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
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Tyr

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Ser Arg Ser Arg Gly Trp Trp Thr Ala Ala Met
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Ala Tyr Ser Ser Asn Tyr Tyr Arg
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Thr Thr Asp Ser Gly
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Thr Ser Ser Ser Ala
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Thr Thr Asn Thr Trp
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Gly Asp Tyr Asp Gly Tyr Arg
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Gly Trp Ser Asn Gly Tyr Arg
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Val Ala Thr Tyr Tyr Asn
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Tyr Ala Tyr Asp Tyr Tyr
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Ala Ala Ala Trp Ala Ser Tyr
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Val Tyr His Asp Lys Tyr
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Trp Trp Tyr Ser Trp Asn Trp
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Gly Ser Thr Tyr
20 25 30

Asp Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Ser Val
35 40 45

Ala Ala Ile Asn Trp Asp Ser Ala Arg Thr Tyr Tyr Ala Ser Ser Val
50 55 60

Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Lys Thr Val Tyr
52

65					70						75					80
Leu	Gln	Met	Asn	Ser	Leu	Lys	Pro	Glu	Asp	Thr	Ala	Val	Tyr	Thr	Cys	
				85					90					95		
Gly	Ala	Gly	Glu	Gly	Gly	Thr	Trp	Asp	Ser	Trp	Gly	Gln	Gly	Thr	Gln	
			100					105					110			
Val	Thr	Val	Ser	Ser	Ala	Gly	Gly	Met	Asp	Tyr	Lys	Asp	Asp	Asp	Asp	
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Lys

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<400> 137

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Xaa	Xaa	Xaa	Xaa	Xaa	Trp	Gly	
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Arg Ile Xaa Cys

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Cys Trp Val Thr Trp
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or more deletions up to 16 deletions

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<222> (21)..(21)
<223> Xaa is V, L, P, G, S, E or W

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1 5 10 15

Xaa Xaa Xaa Xaa Xaa
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 1 5 10 15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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<400> 143

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 1 5 10 15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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<400> 144

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1 5 10 15

Xaa Trp Xaa Xaa Xaa Xaa Xaa
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Xaa

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Xaa

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1			5					10						15	

Xaa

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Xaa

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Arg Xaa Xaa Arg
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kccksggytr ctksgtgggg tcagggt 87

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 rctsstgyts makcctgggg tcagggt 87

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kytgstsytg ytgsttgggg tcagggt 87

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gmarygscas ytgcggtggg tcaggg                                           86

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Arg Ile Xaa Cys

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Phe Xaa Arg Val

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Trp Xaa Xaa Leu

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Trp Xaa Met Pro

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<210> 163

<211> 17

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10

15

Trp

<210> 164

<211> 17

<212> PRT

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<223> CDRH3

<400> 164

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5

10

15

Gly

<210> 165

<211> 17

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Ser

<210> 166

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<220>

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<400> 166

Arg Leu Val Asn Gly Leu Ser Gly Leu Val Ser Trp Glu Met Pro Leu
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Ala

<210> 167

<211> 17

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<220>

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Ala

<210> 168

<211> 17

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<220>

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Val Leu Glu Leu Arg Ser Ser Gly Gly Asn Ala Arg Trp Met Ser Leu
1 5 10 15

Tyr

<210> 169
<211> 17
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<220>
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<400> 169

Leu Arg Ile Ser Pro Tyr Ala Phe Trp Leu Gly Thr Trp Ala Pro Ser
1 5 10 15

Tyr

<210> 170
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<220>
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Leu Trp Thr Arg Ala Arg Ser Trp Arg Trp Trp Trp Arg Arg Glu Gln
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Phe

<210> 171
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<220>
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Ala

<210> 172

<211> 17
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<220>
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<400> 172

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<400> 187

Ala	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Met	Asp	Tyr
1				5					10						15	

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Tyr

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Trp Gly Gly Asp Gly Phe Tyr
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Asn Ala Asp Ser Ala
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Thr Gly Gly Ser Trp
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<400> 193

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20 25

<210> 194
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<212> PRT
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<223> Xaa is W, G, S, or A

<400> 194

Arg Ile Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Trp Val Xaa Xaa

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